

## SEQUENCE LISTING

&lt;110&gt; EXELIXIS, INC.

&lt;120&gt; UPS AS MODIFIERS OF THE BETA CATENIN PATHWAY AND METHODS OF USE

&lt;130&gt; EX04-058C-PC

&lt;150&gt; US 60/495,172

&lt;151&gt; 2003-08-14

&lt;160&gt; 11

&lt;170&gt; PatentIn version 3.2

&lt;210&gt; 1

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&lt;212&gt; DNA

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Ser Glu Tyr Gln Gln Arg Pro Gln Arg Leu Val Ser Tyr Phe Ile Lys  
290 295 300

Lys Lys Leu Ser Lys Ala  
305 310

<210> 11  
<211> 317  
<212> PRT  
<213> Homo sapiens

<400> 11

Met Ala Ser Val Ile Pro Ala Ser Asn Arg Ser Met Arg Ser Asp Arg  
1 5 10 15

Asn Thr Tyr Val Gly Lys Arg Phe Val His Val Lys Asn Pro Tyr Leu  
20 25 30

Asp Leu Met Asp Glu Asp Ile Leu Tyr His Leu Asp Leu Gly Thr Lys  
35 40 45

Thr His Asn Leu Pro Ala Met Phe Gly Asp Val Lys Phe Val Cys Val  
50 55 60

Gly Gly Ser Pro Asn Arg Met Lys Ala Phe Ala Leu Phe Met His Lys  
65 70 75 80

Glu Leu Gly Phe Glu Glu Ala Glu Glu Asp Ile Lys Asp Ile Cys Ala  
85 90 95

Gly Thr Asp Arg Tyr Cys Met Tyr Lys Thr Gly Pro Val Leu Ala Ile  
100 105 110

Ser His Gly Met Gly Ile Pro Ser Ile Ser Ile Met Leu His Glu Leu

115	120	125
Ile Lys Leu Leu His His Ala Arg Cys Cys Asp Val Thr Ile Ile Arg 130 135 140		
Ile Gly Thr Ser Gly Gly Ile Gly Ile Ala Pro Gly Thr Val Val Ile 145 150 155 160		
Thr Asp Ile Ala Val Asp Ser Phe Phe Lys Pro Arg Phe Glu Gln Val 165 170 175		
Ile Leu Asp Asn Ile Val Thr Arg Ser Thr Glu Leu Asp Lys Glu Leu 180 185 190		
Ser Glu Glu Leu Phe Asn Cys Ser Lys Glu Ile Pro Asn Phe Pro Thr 195 200 205		
Leu Val Gly His Thr Met Cys Thr Tyr Asp Phe Tyr Glu Gly Gln Gly 210 215 220		
Arg Leu Asp Gly Ala Leu Cys Ser Phe Ser Arg Glu Lys Lys Leu Asp 225 230 235 240		
Tyr Leu Lys Arg Ala Phe Lys Ala Gly Val Arg Asn Ile Glu Met Glu 245 250 255		
Ser Thr Val Phe Ala Ala Met Cys Gly Leu Cys Gly Leu Lys Ala Ala 260 265 270		
Val Val Cys Val Thr Leu Leu Asp Arg Leu Asp Cys Asp Gln Ile Asn 275 280 285		
Leu Pro His Asp Val Leu Val Glu Tyr Gln Gln Arg Pro Gln Leu Leu 290 295 300		
Ile Ser Asn Phe Ile Arg Arg Arg Leu Gly Leu Cys Asp 305 310 315		